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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/811,655	03/20/2001	Takashi Shinzaki	1075.1151	9981

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STAAS & HALSEY LLP
SUITE 700
1201 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER

LE, DUY K

ART UNIT	PAPER NUMBER
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2685

DATE MAILED: 05/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/811,655

Applicant(s)

SHINZAKI, TAKASHI

Examiner

Duy K Le

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 April 2004.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-51 is/are pending in the application.
4a) Of the above claim(s) 11-51 is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-10 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of claims 1-10 in Paper No. 4 is acknowledged.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 4, 5, 6, 9, and 10 are rejected under 35 U.S.C. 102(e) as being anticipated by Chen (U.S. Patent 6,411,823).

As to claim 1, Figures 1, 2, and 3 in Chen show a mobile electronic apparatus which is able to be carried by an authorized user for performing various electronic information processes, comprising:

a main body (2) (see Col. 3, lines 4-28);

an attachment part (3) detachably attached to the main body for performing a predetermined function when attached to said main body, said attachment part having an input/output section integrally formed with said attachment part for inputting/outputting information (data) (see Col. 3, lines 29-62); and

an interface section (1) for transferring input/output signals relating to the last-named information (data) between said main body and the attachment part (see Col. 3, lines 4-28).

As to claim 4, Figures 1, 2, and 3 in Chen show a mobile electronic apparatus according to claim 1, wherein said interface section (1) is a connector or an electrical contact, adapted to be connected between said attachment part and said main body, for receiving/transmitting the input/output signals (see Col. 3, lines 4-28).

As to claim 5, Figures 1, 2, and 3 in Chen show a mobile electronic apparatus according to claim 1, wherein said interface section (1) is a cable, adapted to be connected between said attachment part and a connector terminal of said main body, for receiving/transmitting the input/output signals (see Col. 3, lines 4-28).

As to claims 6, 9, and 10, Figures 1, 2, and 3 in Chen show a mobile electronic apparatus, wherein said input/output section has a keyboard (9) ("referring to FIGS. 3, 4, it illustrates a signal cable 1 having a dial-decoding IC or circuitry 14 of the present invention in combination with an externally-dialed hand-free system and an external dialing keyboard. When a user dials with a dialing keyboard 9 secured to a steering wheel 6, the dial-decoding IC or circuitry 14 carries out the translation of the dialed number of the cellular phone 2" (Col. 3, lines 57-63)).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 2 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S.

Patent 6,411,823 to Chen in view of Muramatsu et al. (U.S. Patent 6,477,391).

As to claim 2, the Chen reference discloses a mobile electronic apparatus according to claim 1. However, it does not disclose the interface section is an optical communications section which receives/transmits optical signals as the input/output signals. The Muramatsu reference teaches the interface section is an optical communications section which receives/transmits optical signals as the input/output signals ("light guide 103" in Col. 7, line 36 to Col. 8, line 14 and Figure 11).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the apparatus of Chen wherein the interface section is an optical communications section which receives/transmits optical signals as the input/output signals, as taught by Muramatsu, in order to associate a mobile phone with external instruments in a non-contact manner.

As to claim 7, Chen-Muramatsu discloses a mobile electronic apparatus according to claim 2, wherein said input/output section has a keyboard (Chen; "referring to FIGS. 3, 4, it illustrates a signal cable 1 having a dial-decoding IC or circuitry 14 of the present invention in combination with an externally-dialed hand-free system and an external dialing keyboard. When a user dials with a dialing keyboard 9 secured to a steering wheel 6, the dial-decoding IC or circuitry 14 carries out the translation of the dialed number of the cellular phone 2" (Col. 3, lines 57-63)).

6. Claims 3 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 6,411,823 to Chen in view of Larsson et al. (U.S. Patent 6,697,638).

As to claim 3, the Chen reference discloses a mobile electronic apparatus according to claim 1. However, it does not disclose the interface section is a radio communications section

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which receives/transmits radio signals as the input/output signals. The Larsson reference teaches the interface section is a radio communications section which receives/transmits radio signals as the input/output signals ("transceiver 162" in Col. 2, lines 19-45 and Figure 1).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the apparatus of Chen wherein the interface section is a radio communications section which receives/transmits radio signals as the input/output signals, as taught by Larsson, in order to associate a mobile phone with external instruments in a non-contact manner.

As to claim 8, Chen-Larsson discloses a mobile electronic apparatus according to claim 3, wherein said input/output section has a keyboard (Chen; "referring to FIGS. 3, 4, it illustrates a signal cable 1 having a dial-decoding IC or circuitry 14 of the present invention in combination with an externally-dialed hand-free system and an external dialing keyboard. When a user dials with a dialing keyboard 9 secured to a steering wheel 6, the dial-decoding IC or circuitry 14 carries out the translation of the dialed number of the cellular phone 2" (Col. 3, lines 57-63)).

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. Kahn et al. (U.S. Patent 6,505,055) discloses camel-back digital organizer and communication protocol for a cellular phone device.
- b. Braitberg et al. (U.S. Patent 5,479,479) discloses method and apparatus for transmission of and receiving signals having digital information using an air link.

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c. O'Neill, Jr. (U.S. Patent 6,069,588) discloses systems and methods for coaxially coupling an antenna to a radiotelephone through a window and amplifying signals adjacent and inside the window.

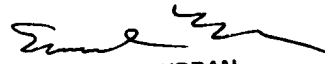
d. Boesen (U.S. Patent 6,560,468) discloses cellular telephone, personal digital assistant, and pager unit with capability of short range radio frequency transmissions.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duy K Le whose telephone number is 703-305-5660. The examiner can normally be reached on 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward F Urban can be reached on 703-305-4385. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Duy Le
May 5, 2004


EDWARD F. URBAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600